

Introduction to Invertebrate Neurophysiology Workshop:

July 30 – August 2

WORKSHOP SCHEDULE

Day One: 8:30am-5:30pm

- Coffee/Tea and Introductions
- Opening/Welcoming Remarks
- Intro to equipment and software
- Observe feeding behavior in snails; record results in LabChart
- Record extracellularly from buccal nerves in the open but intact snail
- Test the effect of serotonin and dopamine on the buccal motor pattern
- If time permits, record from other nerves as well (e.g. sensory nerves from the foot)

Day Two: 8:30am-5:30pm

Record intracellularly from buccal and circumesophageal ganglia, observe different types of activity.

Day Three: 8:30am-5:30pm

Record intracellularly from buccal and circumesophageal ganglia, performing ion-substitution and neuromodulation experiments.